

Recombinant Human SMNDC1, His-tagged

Cat. No. SMNDC1-3362H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SMNDC1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 28.9kDa (258aa).
Species	Human
Source	E.coli
Description	SMNDC1 (survival motor neuron domain containing 1) is an essential splicing factor required for spliceosome assembly that belongs to the SMN family. It contains one Tudor domain with significant similarity to SMN (Survival Motor Neuron) and is expressed in skeletal muscle, pancreas and heart, localizing to Cajal bodies and nuclear speckles. Mutations in which are cause of autosomal recessive proximal spinal muscular atrophy.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 100mM NaCl.
Purity	> 90% by SDS - PAGE.
Concentration	0.5mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSED LAKQLA SYKAQLQQVE AALSGNGENE DLLKL KKD LQ EVIELTKDLL STQPSETLAS SDSFASTQPTH SWKVGDKCM AVWSE DGQCY EAEIEEIDEE NGTAAITFAG YGNAEVTPLL NLKPVEEGRK AKEDSGNKPM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SKKEMIAQQR EYKKKKALKKAQRIKELEQE REDQKVKWQQ FNNRAYSKNK KG
QV KRSIFA SPESVTGKVG VGTCTGIADKP MTQYQDTSKY NVRHLMPQ.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Spliceosome

GENE INFORMATION

Gene Name

SMNDC1 survival motor neuron domain containing 1 [Homo sapiens]

Synonyms

survival motor neuron domain containing 1; SMNR; SPF30; SMNDC1; survival of motor neuron-related-splicing factor 30; SMN-related protein; 30 kDa splicing factor SMNrp; survival motor neuron domain-containing protein 1; splicing factor 30, survival of motor neuron-related ; Survival motor neuron domain-containing protein 1

Gene ID

10285

mRNA Refseq

NM_005871

Protein Refseq

NP_005862

MIM

603519

UniProt ID

O75940

**Chromosome
Location**

10q23

Function

RNA binding; protein binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA